

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1-10. (Canceled)

1 11. (New) A method of managing positioning information for a plurality of
2 nodes connected to a network, the method comprising:
3 receiving first routing information from a first node connected to said network,
4 said first routing information containing positioning data for said first node, wherein said
5 positioning data includes at least one of a predetermined position of said first node or data from a
6 self-position detection unit of said first node;
7 receiving second routing information from a second node connected to said
8 network, wherein said second routing information is absent positioning data for said second node
9 and said second node does not include a self-position detection unit; and
10 calculating positioning data for said second node according to a predetermined
11 equation using said first and second routing information.

1 12. (New) The method of claim 11 further comprising:
2 displaying a first symbol representative of a position of said first node using
3 positioning data included in said first routing information; and
4 displaying a second symbol representative of a position of said second node using
5 positioning data calculated according to said predetermined equation.

1 13. (New) The method of claim 12 wherein said first and second routing
2 information include distance information, wherein said distance information is used in
3 calculating positioning data for said second node.

1 14. (New) The method of claim 14 wherein said distance information is a
2 number of hops.

1 15. (New) The method of claim 13 wherein a distance over which said second
2 node can communicate wirelessly with other nodes is used as a coefficient in said predetermined
3 equation.

1 16. (New) The method of claim 12 further comprising connecting said first
2 and second symbols with a line if said first and second nodes can communicate with each other.

1 17. (New) A system for managing positioning information for a plurality of
2 nodes connected to a network, the system comprising:

3 a position determining unit configured to receive first routing information from a
4 first node connected to said network, said first routing information containing positioning data
5 for said first node, wherein said positioning data includes at least one of a predetermined position
6 of said first node or data from a self-position detection unit of said first node; and

7 a display unit configured to display a first symbol representative a position of said
8 first node and a second symbol representative a position of said second node,

1 said position determining unit further configured to receive second routing
2 information from a second node connected to said network, wherein said second routing
3 information does not contain positioning data for said second node and said second node does
4 not include a self-position detection unit,

5 said position determining unit further configured to calculate positioning data for
6 said second node according to a predetermined equation using said first and second routing
7 information, thereby determining said position of said second node.

8 18. The system of claim 17 wherein said display unit displays a line between
9 said first symbol and said second symbol if said first and second nodes can communicate with
10 each other.

1 19. (New) The system of claim 18 wherein said position determining unit is
2 further configured to receive routing information from each node in said plurality of nodes
3 connected to said network.

1 20. (New) The system of claim 19 wherein said routing information received
2 from each node in said plurality of nodes includes positioning data for nodes having self-position
3 detection units.